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April 13, 2009

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Re: Draft Waste Treatment and Immobilization Plant (WTP) Dangerous Waste Permit

Dear Ladies and Gentlemen:

This letter transmits the proposed draft permit modification for incorporation into Part III, Operating Unit 10 (WTP) of the *Hanford Facility Resource Conservation and Recovery Act (RCRA) Permit, Dangerous Waste Portion, Revision 8C, for the Treatment, Storage, and Disposal of Dangerous Waste (WA7890008967)*. Additional copies of the permit modification will be provided on DVD or CD-ROM if requested.



Washington Administrative Code (WAC) 173-303-840(3) requires a 45-day public review of the draft permit modification. The public review begins April 20, 2009, and ends June 5, 2009. Copies of the draft permit modification have been distributed to the Hanford Public Information Repositories in Richland, Spokane, and Seattle, Washington, and Portland, Oregon.

This draft modification to the WTP unit-specific permit consists of the following changes to the Permit:

- Low-Activity Waste design package LAW-018 addresses ancillary equipment for the LAW Melter Process System, such as piping and instrumentation for the melters.
- Pretreatment Facility design package PTF-095 addresses the Pretreatment In-Cell Handling System decontamination soak tank and its jet pump and sparger. This allows failed equipment to be decontaminated for repair or replacement.
- The document *Leak Detection Capability in the LAW Facility* describes how the leak detection system will (1) detect the failure of primary containment structures and subsequent release of dangerous or mixed waste within twenty-four hours and (2) detect accumulated liquids within twenty-four hours.
- The document *Waste Removal Capability for the LAW Vitrification Facility* describes how spilled or leaked waste and accumulated liquids will be removed from the secondary containment systems within twenty-four hours of detection.
- The document *Pipe Stress Design Criteria Including "Pipe Stress Criteria" and "Span Method Criteria"* provides design criteria for piping throughout the WTP.
- Diagrams and data sheets for seven mechanical handling systems in the High-Level Waste (HLW) building and for two mechanical handling systems in the LAW building. The mechanical handling systems are used for securing, lifting, manipulating, transferring, and in decontamination processes for containers for high-level and low-activity waste glass.
- Piping and instrumentation diagrams for the HLW melter system film cooler utilities and mechanical drawings for the HLW melter assemblies.
- Instruments identified in the document *System Logic Description for Low-Activity Waste Facility Melter Process (LMP) System* were added to Permit Table III.10.H.C.

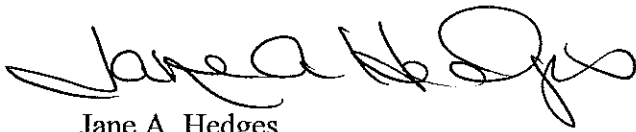
Design package LAW-018 includes seven documents that are classified as confidential business information. A certification letter granting Director approval of the classification is enclosed. The confidential documents are not included for distribution and are not open for public comment.

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In accordance with WAC 173-303-830, only the items subject to modification are reopened. All other aspects of the existing WTP unit-specific permit remain in effect for the duration of the modification. The draft permit modification is also available on-line beginning April 20, at: <http://www.ecy.wa.gov/programs/nwp/index.html>.

If there are any questions, contact Brian Speer at 509-372-7985.

Sincerely,



Jane A. Hedges
Program Manager
Nuclear Waste Program

bs/lkd
Enclosures

cc electronic w/o enc:

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cc w/enc, hard copy:

Administrative Record:
Waste Treatment Plant (TSD #H-0-8)
BNI Correspondence Control
Environmental Portal
EPA Region X Correspondence Control
Hanford Operating Record General File
USDOE-RL Correspondence Control
USDOE-ORP Correspondence Control